IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Inventor: MADURA, Kiran #6

Serial No.: 09/918,036

Filed: July 30, 2001

For: Method and Compositions for Rapid Purification of Proteasomes and Methods of Use of Components Thereof

Group Art Unit: 1652

Examiner: not yet assigned

SUBMISSION OF SEQUENCE LISTING

Box Sequence
Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed are a computer readable copy and a paper copy of the Sequence Listing for the above-identified patent application. The contents of both the computer readable and the paper copies are the same and, where applicable, include no new matter, as required by 37 CFR §§ 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

Respectfully submitted,
LYON & LYON LLP

Dated: 11/5/01

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Name of Person Mailing Paper

November 05, 2001
Date of Deposit

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Signature of Person Mailing Paper

SEQUENCE LISTING

#5

<110> MADURA, Kiran

<120> METHODS AND COMPOSITIONS FOR THE RAPID PURIFICATION OF PROTEASOMES AND METHODS OF USE OF COMPONENTS THEROF

<130> 266/165

<140> US 09/918,036
<141> 2001-07-30

<150> 60/050,171
<151> 1997-06-19

<160> 17

<170> PatentIn version 3.1

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<212> PRT
<213> Homo sapiens

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Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
35 40 45

Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
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Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly
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Lys Ala Asn Gly Ile Pro Val Ala Asn Gln Arg Leu Ile Tyr Ser Gly
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Gln Ser Ile Ser Cys Glu Glu Ser Gln Ile Lys Leu Ile Tyr Ser Gly
        35                  40                  45

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65                  70                  75
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Glu Lys Gly Lys Asp Ala Phe Pro Val Ala Gly Gln Lys Leu Ile Tyr
35 40 45

Ala Gly Lys Ile Leu Asn Asp Asp Thr Ala Leu Lys Glu Tyr Lys Ile
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Asp Glu Lys Asn Phe Val Val Val Met Val Thr Lys Pro Lys Ala
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Ile Tyr Ala Gly Lys Ile Leu Ser Asp Asp Val Pro Ile Arg Asp Tyr
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Arg Ile Asp Glu Lys Asn Phe Val Val Val Met Val Thr Lys Thr Lys
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35 40 45

Leu Lys Gly Lys Val Leu His Asp Asn Leu Phe Leu Ser Asp Leu Lys
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Thr Ile Ser

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Lys Glu Gly Ile Pro Pro Ser Gln Gln Arg Leu Ile Phe Gln Gly Lys
35 40 45

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Lys Arg Asp Leu Leu Lys Gln Asp Pro Lys Arg Lys Leu Gln Leu Gln
        35                  40                  45

Gln Arg Phe Ala Ser Pro Thr Asp Arg Leu Val Ser Pro Cys Ser Leu
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Lys Leu Asn Glu His Lys Val Lys Met Phe Gly Lys Lys Lys Lys Val
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Lys Glu Gly Glu Tyr Ile Lys Leu Lys Val Ile Gly Gln Asp Ser Ser
            20                  25                  30
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Glu Ile His Phe Lys Val Lys Met Thr Thr His Leu Lys Lys Leu Lys
35 40 45

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50 55 60

Leu Phe Glu Gly Gln Arg Ile Ala Asp Asn His Thr Pro Lys Glu Leu
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Gly His Ser Thr Val
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20 25 30

Lys Ile Lys Arg His Thr Pro Leu Ser Lys Leu Met Lys Ala Tyr Cys
35 40 45

Glu Arg Gln Gly Leu Ser Met Arg Gln Ile Arg Phe Arg Phe Asp Gly
50 55 60

Gln Pro Ile Asn Glu Thr Asp Thr Pro Ala Gln Leu Glu Met Glu Asp
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Glu Asp Thr Ile Asp Val Phe Gln Gln Gln Thr Gly Gly Val Tyr
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<213> Saccharomyces cerevisiae

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20 25 30

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35 40 45

Arg Gln Gly Leu Ser Met Arg Gln Ile Arg Phe Arg Phe Asp Gly Gln
50 55 60

Pro Ile Asn Glu Thr Asp Thr Pro Ala Gln Leu Arg Met Glu Asp Glu
65 70 75 80

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Glu Val Lys Pro Glu Thr His Ile Asn Leu Lys Val Ser Asp Gly Ser
20 25 30

Ser Glu Ile Phe Phe Lys Ile Lys Lys Thr Thr Pro Leu Arg Arg Leu
35 40 45

Met Glu Ala Phe Ala Lys Arg Gln Gly Lys Glu Met Asp Ser Leu Arg

50 55 60

Phe Leu Tyr Asp Gly Ile Arg Ile Gln Ala Asp Gln Thr Pro Glu Asp
65 70 75 80

Leu Asp Met Glu Asp Asn Asp Ile Ile Glu Ala His Arg Glu Gln Ile
85 90 95

Gly Gly Ala Thr
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<212> DNA
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<212> DNA
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<223> Oligonucleotide primer specific for the promoter of the GAL4 gene. This primer was used to sequence genes from a cDNA library, from which RAD23 and other genes were isolated.

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<210> 17
<211> 9
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<213> Influenza virus

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